

Meeting Minutes Transmittal/Approval
Tri-Party Agreement Milestone Review Meeting
EPA Conference Room
October 28, 1997

From/ Appvl.: Jackson Kinzer Date: 11-18-97
Jackson Kinzer, RL
IAMIT Representative

Appvl.: Melody A. Selby for Date: 11/18/97
Michael Wilson, Ecology
IAMIT Representative

Appvl.: Douglas R. Sherwood Date: 11/18/97
Doug Sherwood, EPA
IAMIT Representative

Prepared by Appvl.: Larry D. Arnold Date: 11/18/97
Larry D. Arnold
Fluor Daniel Hanford, Inc.

Distribution

Arnold, L. D.	FDH	G3-27	Ma, F.	Ecology	B5-18
Bauer, L. K.	RL	H0-12	McLaughlin, M. A.	FDH	G3-27
Bengtson, P. J.	PNL	A0-21	Mecca, J. E.	RL	R3-79
Blazek, M. L.	OOE		Miera, F. R.	RL	A5-15
625 Marion N.E., Salem, OR 97310			Pak, P. M.	RL	H0-12
Donnelly, J.	Ecology	B5-18	Poet, T	EPA	B5-01
Donahoe, R.	BHI	X9-06	Rayner, J	BHI	H0-11
Dronen, V.	BHI	H0-09	Reddick, G.	FDH	N1-26
Evans, D. T.	RL	R3-79	Reynolds, E.	FDH	N1-26
Ford, B. H.	BHI	H0-02	Robertson, J.	BWHC	T5-54
Furman, M. J.	RL	H0-12	Robertson, O.	RL	H0-12
Gonzalez, R.	RL	R3-79	Romine, L.	RL	R3-79
Hajner, R. S.	BHI	H0-11	Sanders, G. H.	RL	A5-15*
Hansen, C. A.	RL	S7-41*	Selby, M. A.	Ecology	B5-18*
Henckel, G. C.	BHI	H0-09	Sherwood, D.	EPA	B5-01*
Holten, R.	RL	H0-12	Skinnarland, R.	Ecology	B5-18*
Hopkins, A.	FDH	N1-26*	Trumble, H. R.	RL	H0-12
Hughes, M. C.	BHI	H0-13	Werdel, N.	RL	H0-12
Jarayasi, M.	Ecology	B5-18	Wilson, M. A.	Ecology	B5-18
Julian, R. J.	Ecology	B5-18	Wooley, T	Ecology	B5-18
Liedle, S. D.	BHI	H0-09	EDMC		H6-08
Logan, T	BHI	X5-54			

* W/Attachments

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TRI-PARTY AGREEMENT MAJOR MILESTONE MANAGEMENT REVIEW
October 28, 1997

1. The minutes of the September 23, 1997 Milestone Review were approved by Messrs. Kinzer, Wilson and Sherwood.
2. Carolyn Haass, DOE-RL presented the October TWRS Tri-Party Agreement Quarterly Milestone Review (Attachment 1).
3. The 1997 Cost Schedule Review was presented by Jon Peschong.

The FY 1997 underrun expense was 3.5 million. Each major WBS was addressed including the Characterization Project, Tank Safety, Tank Farm Operations, Retrieval Project, and Project Management.

The forecasted carryover funds from FY 1997 to FY 1998 are approximately \$10-\$15 Million with scope.

DOE requested FDH to provide how much TWRS Management Cost. For FY 1998, TWRS Budget was down \$10.0 Million from FY 1997.

4. Carolyn Haass presented the TWRS FY 1997 and FY 1998 Milestone Status. For FY 1997, two ongoing Tri-Party Agreement issues are M-45-03A (C-106 retrieval) and M-41-22 (Interim Stabilization of Single Shell Tanks).

A Milestone M-32 partnering group has been established to discuss issues. A target date of December 1997 has been established for producing a proposed path forward.

M-44-97-04 change package is planned to be approved and released by November 30, 1997.

Letter on milestone series M-41 proposing negotiations was signed by John Wagoner and forwarded to Ecology on October 17, 1997 for review and signature.

- M-40 and M-44 milestone status was presented by Carol Sohn of DOE-RL
- M-41 and M-43 milestone status was presented by Jim McClusky of DOE-RL
- M-45, M-50, M-60 and M-90 milestone status was presented by William Taylor of DOE-RL (Attachment 2).

6-Month Lookahead

M-40, M-44	Presented by Carol Sohn, DOE-RL
M-41*, M-43	Presented by Jim McClusky, DOE-RL
M-45	Presented by William Taylor, DOE-RL

* Jim McClusky, DOE-RL to provide a schedule to Suzanne Dahl, Ecology.

John Peschong discussed unfunded critical and compliance issues. See table on Page 31 of presentation. Letter sent to FDH for review and response. The table will be used in the future as a master shortfall list.

October 28, 1997 Milestone Review → TWR5 ←

Minutes of September 23, 1997 meeting were approved.

Carolyn Haass OOE/RL presented TWR5 TPA Quarterly M/S Review.

1997 Cost & Schedule Review for Prescherry

FY97 Under Pan Expense (3.5 million) - each major WBS was addressed, Characteristic Project - Tank Safety, Tank Farm Operations, Retrieval Project, and Project Management.

Forecasted unexpended funds from FY97 - FY98 approximately \$10-15 Million with scope.

EDIT to provide TWR5
OOE/ requested how much Management Cost with
~~from FY97~~ For FY98 TWR5 Budget down
\$10.0 Million from FY1997. reduced
LVOH

H → Carolyn Haass - Presented TWR5 M/S Status -
FY1997 - and FY1998 milestone status.

For FY1997 ^{TPA} two ^{are} vessels are M45-03A (C-106) and
M41-22 ^{are} ^{are} STABILIZATION of single Well Tanks.

M44-97-04. package status plan to
~~release~~ November 30, 1997.
approve by

Letter M41- proposed negotiation signed
by J. Wagoner and forwarded to Ecology
on October 17, 1997 for ~~review~~ and signature.
review

* ~~C-106~~
~~Stay on deliverable (Bi Monthly)~~
~~PER ECOLOGY FINDING~~

~~NOT IN MINUTES~~
~~ECOLOGY EXPECTS~~
~~DELIVERABLE~~

M32

Partnership Group established on M32-00
for discussions. Target date of December 1997
for proposed path forward.
producing

~~M44~~

M40 - presented Carol Sohn OOE/RL

M41 - ~~M43~~ presented by Jim McCluskey OOE/RL

M44 - presented by Carol Sohn

M45 - ~~M50, M60, M90~~ presented by William Taylor OOE/RL

6 MONTH LOOK AHEAD -

M40, M44 presented by Carol Sohn OOE/RL

M41, M43 " " Jim McCluskey " "

M45- " " Bill Taylor " "

* Jim McCluskey OOE/RL to provide schedule
to Susan Doherty of Ecology.

Jon Deschoner - discussed Unfunded Certain
& Compliance Issues -

See Table on page 31.

Letter sent to FOH for review and
response. The TABLE will be used
in the future as Master Shortfall List.

Table on Page 33 - approximate increase
program tax of \$21,105K

ATTENDEES

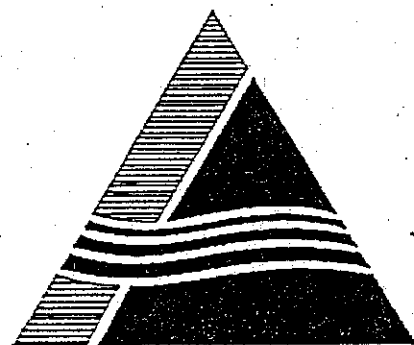
TPA MILESTONE REVIEW

DATE: 10/28/97

<u>NAME</u>	<u>ORGANIZATION</u>	<u>MAILSTOP</u>	<u>(✓) FOR ATTACHMENTS</u>
<u>Larry General</u>	<u>FOH/TPAI</u>	<u>G3-27</u>	
<u>George H. Sanders</u>	<u>DOE-RL</u>	<u>A5-15</u>	✓
<u>Dr. C. Peckham</u>	<u>DOE-RL</u>		✓
<u>Jackson Knitzer</u>	<u>DOE-RL</u>		-
<u>Mike Wilson</u>	<u>ECOLOGY</u>		✓
<u>Melodie Selby</u>	<u>Ecology</u>	<u>B5-18</u>	✓
<u>Maurice Himmelfeller</u>	<u>DOE-RL</u>		
<u>CAROLYN HAASS</u>	<u>DOE-RL</u>		
<u>Doug Sherwood</u>	<u>EPA</u>	<u>B5-01</u>	-
<u>Suzanne Dahl</u>	<u>Ecology</u>		✓
<u>BILL TAYLOR</u>	<u>DOE-RL</u>		✓
<u>Ron Skinnarlad</u>	<u>Ecology</u>		
<u>Mary Ann McLaughlin</u>	<u>FDH/TPAI</u>	<u>G3-27</u>	
<u>Janice Williams</u>	<u>FDH-TWRS</u>		

Tank Waste Remediation System

TPA Quarterly Review



Tri-Party Agreement

U.S. Department of Energy
U.S. Environmental Protection Agency
Washington State Department of Ecology

October 28, 1997

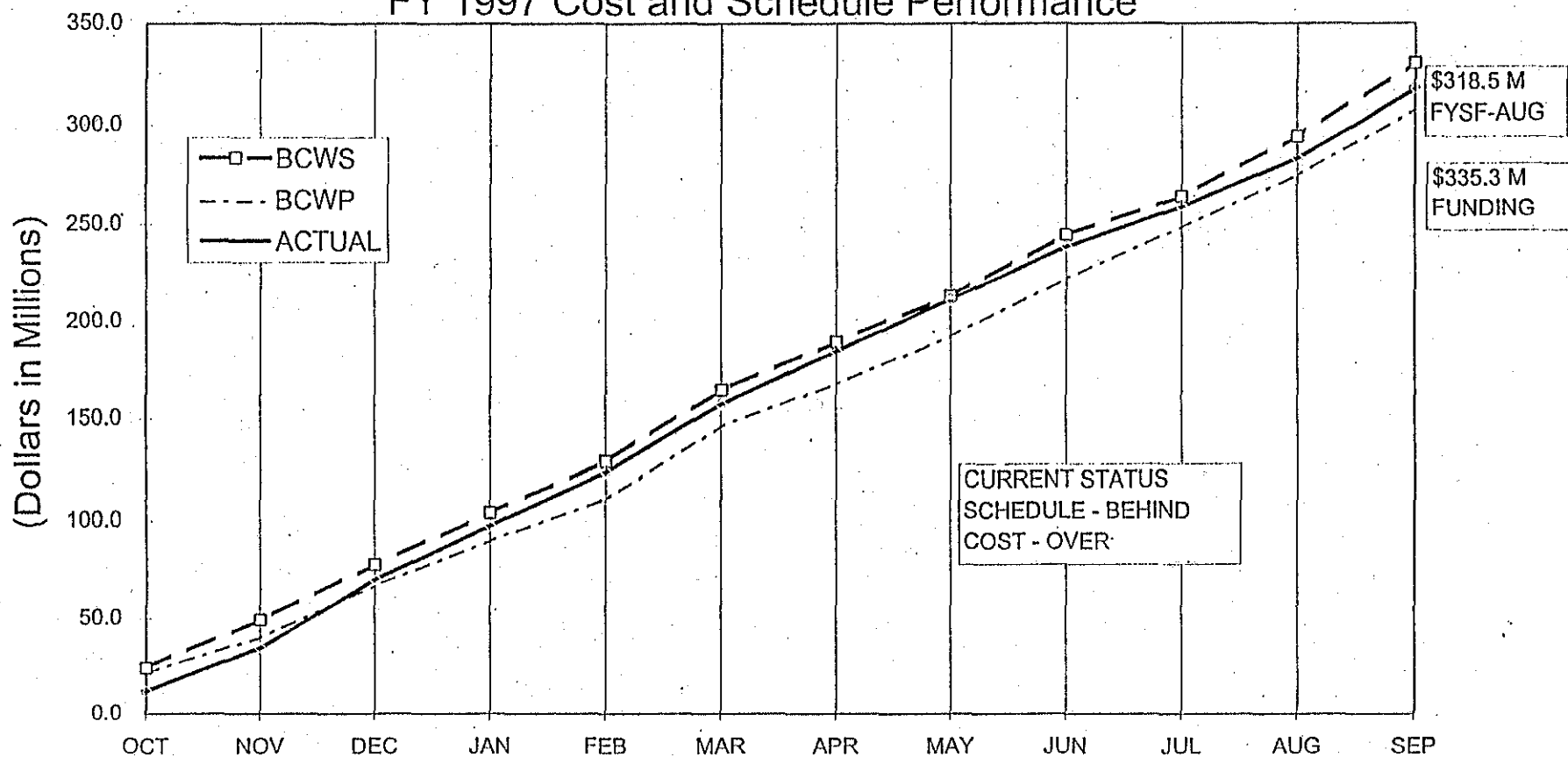
Agenda

October 28, 1997 (9:00am)

Topics	Discussion Leader	Time
Introduction	Carolyn Haass	9:00am
1997 Cost and Schedule Performance Overview	Jon Peschong	
1997 TPA Milestone Overview	Carolyn Haass	
1998 TPA Milestone Overview	Carolyn Haass	
FY 1997 Quarterly Review	Division Directors	
- 4th Quarter Accomplishments	Division Directors	
- 6-Month Milestone Look ahead	Division Directors	
- Significant Issues	Division Directors	

TANK WASTE REMEDIATION SYSTEM- ALL FUNDS

FY 1997 Cost and Schedule Performance

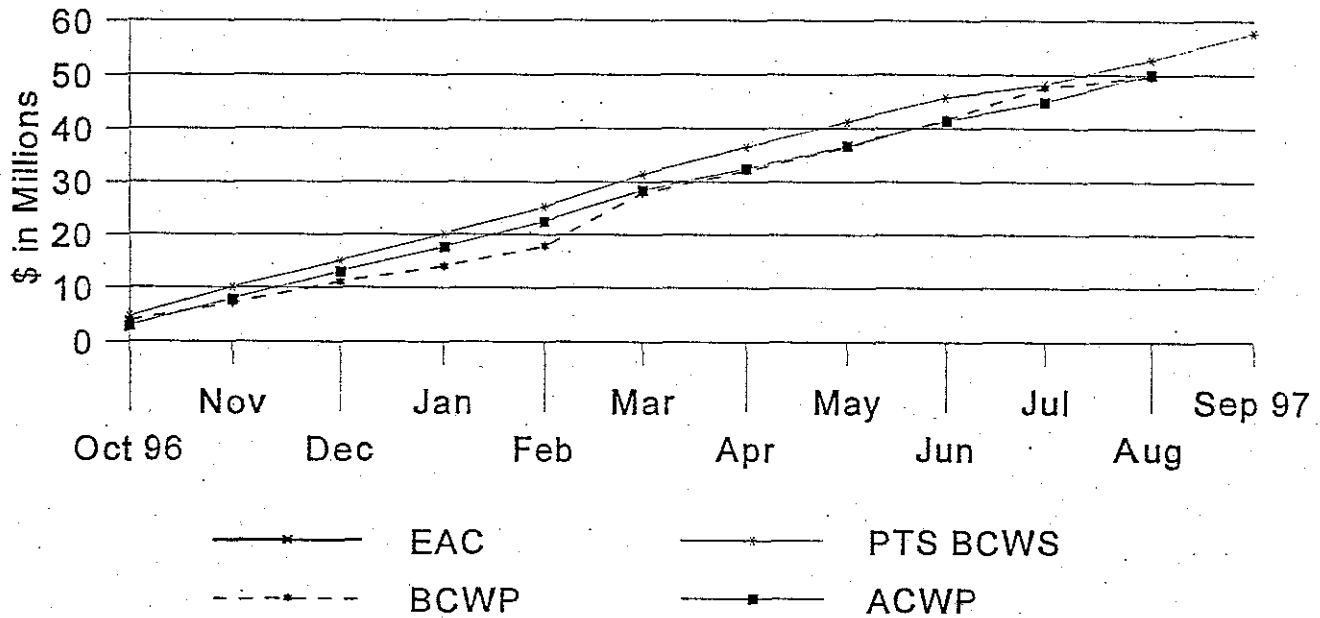


BCWS	24.4	49.3	77.5	103.7	128.8	164.1	189.0	213.0	244.4	264.3	294.5	330.3
BCWP	21.6	40.0	66.8	89.6	110.2	145.8	167.0	191.9	221.8	248.5	274.9	307.6
ACTUAL	12.4	34.7	70.0	97.2	123.6	156.8	184.3	211.3	238.2	259.0	283.4	317.3
SV	(2.8)	(9.3)	(10.7)	(14.1)	(18.6)	(18.3)	(22.0)	(21.1)	(22.6)	(15.8)	(19.6)	(22.7)
CV	9.2	5.3	(3.2)	(7.6)	(13.4)	(11.0)	(17.3)	(19.4)	(16.4)	(10.5)	(8.5)	(9.7)

NOTE : TOTAL FUNDS EQUALS \$335.3

Tank Waste Characterization Project

Cost/Schedule Performance - All Fund Types for FY 1997

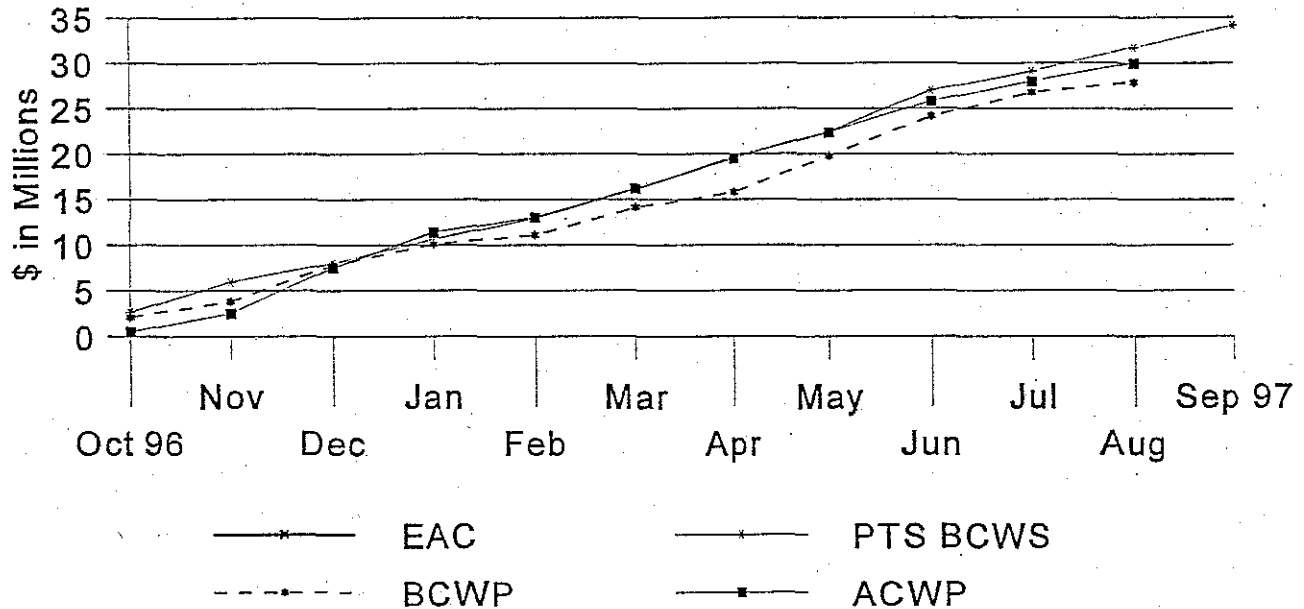


	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
EAC												
MYWP	5.6	10.5	16.1	22.1	27.5	33.4	39.4	45.1	50.1	54.3	58.3	61.7
PTS BCWS	4.6	10.1	15.1	20.1	25.2	31.4	36.5	41.2	45.7	48.2	52.8	57.7
BCWP	3.9	7.2	11.2	14.1	17.9	27.9	32.1	36.6	41.7	47.7	49.7	
ACWP	2.9	7.9	13.1	17.7	22.5	28.4	32.5	36.8	41.4	44.9	50.1	
SV	(0.7)	(2.9)	(4.0)	(6.1)	(7.2)	(3.5)	(4.4)	(4.6)	(4.1)	(0.5)	(3.1)	
CV	1.0	(0.7)	(2.0)	(3.6)	(4.6)	(0.5)	(0.4)	(0.2)	0.3	2.8	(0.5)	

WBS1.1.1.2.4			BCWS	BCWP	FYTD/ACWP	SV	CV	MYWP	PTS BCWP	EAC
ADS 1130-0	Tank Waste Characterization	Expense	52.1	49.2	49.7	(2.9)	(0.5)	61.3	56.8	
		CENRTC	0.7	0.5	0.5	(0.2)	0.0	0.4	0.9	
		GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Subtotal 1130.0		52.8	49.7	50.1	(3.1)	(0.5)	61.7	57.7	
\$ in Millions										

Tank Safety Issue Resolution Project

Cost/Schedule Performance - All Fund Types for FY 1997



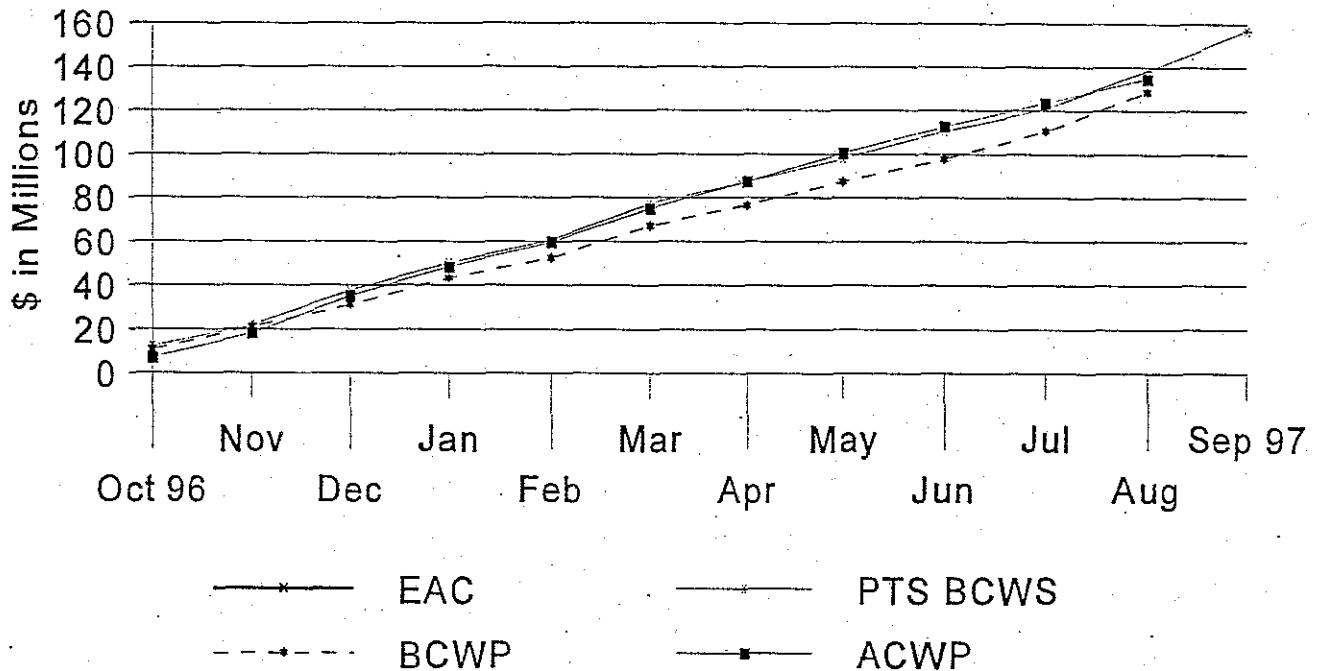
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
EAC												
MYWP	4.8	10.6	13.4	16.7	19.6	22.8	26.0	29.0	31.7	34.4	36.9	39.2
PTS BCWS	2.6	5.9	8.0	10.6	12.9	16.1	19.7	22.4	27.0	29.1	31.7	34.1
BCWP	2.1	3.8	7.8	10.1	11.1	14.1	15.8	19.8	24.2	26.8	27.9	
ACWP	0.5	2.5	7.5	11.4	13.0	16.2	19.5	22.4	25.8	28.0	30.0	
SV	(0.5)	(2.1)	(0.2)	(0.4)	(1.7)	(2.1)	(4.0)	(2.6)	(2.7)	(2.2)	(3.8)	
CV	1.6	1.2	0.3	(1.3)	(1.9)	(2.2)	(3.8)	(2.6)	(1.6)	(1.2)	(2.1)	

stand down
Light EQ

WBS 1.1.1.2.2			BCWS	BCWP	FYTD/ACWP	SV	CV	MYWP	PTS BCWP	EAC
ADS 1110-0	Tank Safety Issue Resolution	Expense	23.3	20.9	21.4	(2.4)	(0.5)	29.3	25.6	
		CENRTC	8.4	7.0	8.5	(1.4)	(1.6)	9.9	8.5	
		GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Subtotal 1110-0		31.7	27.9	30.0	(3.8)	(2.1)	39.2	34.1	
\$ in Millions										

Tank Farms Operations Project

Cost/Schedule Performance - All Fund Types for FY 1997



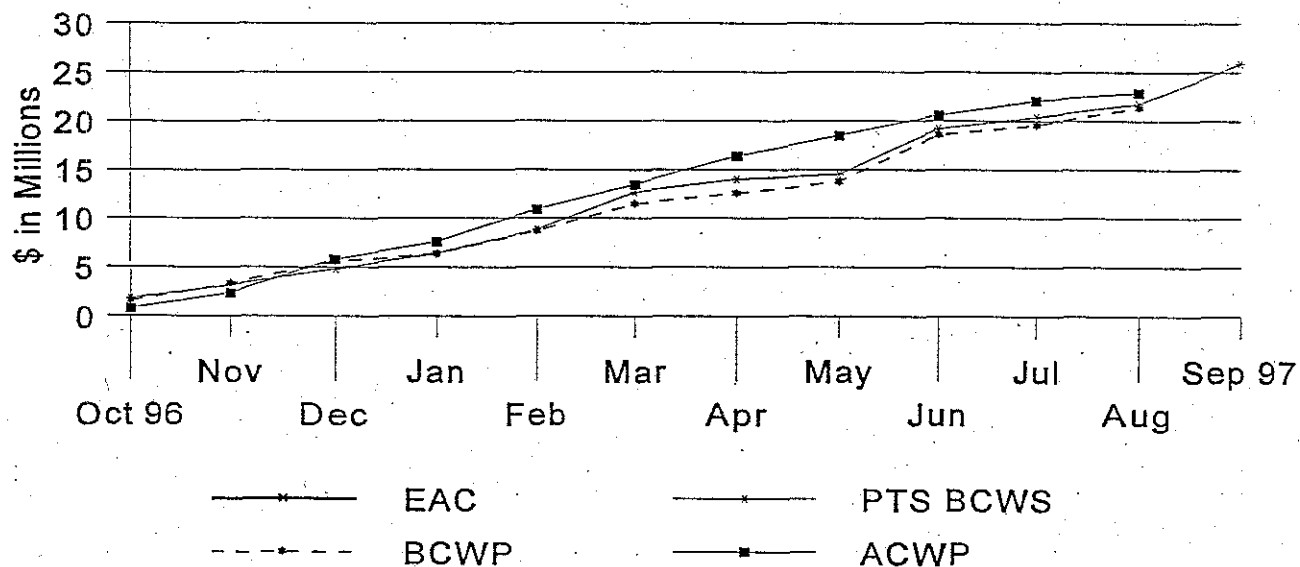
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
EAC												
MYWP	15.7	28.7	24.3	56.1	68.2	81.7	96.0	109.7	123.4	135.6	148.1	161.2
PTS BCWS	12.1	23.8	37.6	50.1	60.8	77.1	87.2	97.9	110.3	120.8	138.4	156.9
BCWP	10.8	21.2	31.1	43.5	52.6	67.4	76.9	87.4	97.8	110.8	128.6	
ACWP	6.9	18.1	35.0	49.3	59.7	74.9	87.14	100.4	112.7	123.5	134.6	
SV	(1.4)	(2.6)	(6.6)	(6.6)	(8.2)	(9.7)	(10.3)	(10.5)	(12.5)	(10.0)	(9.8)	
CV	3.8	3.0	(4.0)	(4.8)	(7.1)	(7.5)	(10.5)	(13.0)	(14.9)	(12.7)	(6.0)	

WBS 1.1.1.2.1			BCWS	BCWP	FYTD/ ACWP	SV	CV	MYWP	PTS BCWP	EAC
ADS 1100-0	Tank Farm Operations	Expense	99.0	92.6	99.8	(6.4)	(7.2)	114.0	107.2	
		CENRTC	1.3	0.9	2.6	(0.3)	(1.7)	3.2	1.7	
		GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Subtotal 1100-0		100.3	93.6	102.4	(6.8)	(8.9)	117.2	108.8	
ADS 1100-1	TF Restoration/Safe Ops W-314	Expense	3.2	2.2	2.3	(1.0)	(0.0)	6.3	3.5	
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		GPP/LI	5.3	4.3	3.3	(1.0)	1.0	7.6	7.6	
	Subtotal 1100-1		8.5	6.5	5.5	(2.0)	0.9	13.9	11.1	
ADS 1120-0	Tank Farm Upgrades	Expense	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		GPP/LI	0.0	0.0	0.0	0.0	0.0	1.7	0.0	
	Subtotal 1120-0		0.0	0.0	0.0	0.0	0.0	1.7	0.0	
ADS 1120-2	TF Ventilation Upgrades W-030	Expense	4.1	3.8	3.7	(0.3)	0.1	0.7	5.3	
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		GPP/LI	2.8	3.1	2.2	0.4	0.9	2.8	6.7	
	Subtotal 1120-2		6.9	7.0	5.9	0.1	1.0	3.5	12.1	
ADS 1120-4	Cross Site Transfer W-058	Expense	1.9	1.7	2.2	(0.3)	(0.6)	2.0	2.0	
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		GPP/LI	20.8	20.0	18.4	(0.8)	1.6	23.0	22.9	
	Subtotal 11200-4		22.7	21.6	20.6	(1.1)	1.0	25.0	24.9	
Total Tank Farms Operations Project		Expense	108.3	100.3	108.1	(8.0)	(7.8)	122.9	116.0	
		CENRTC	1.3	0.9	2.6	(0.3)	(1.7)	3.2	1.7	
		GPP/LI	28.8	27.4	23.9	(1.5)	3.5	35.1	37.3	
Tank Farms Operations Project Summary			138.4	128.6	134.6	(9.8)	(6.0)	161.2	155.9	

\$ in Millions

Retrieval Project

Cost/Schedule Performance - All Fund Types for FY 1997

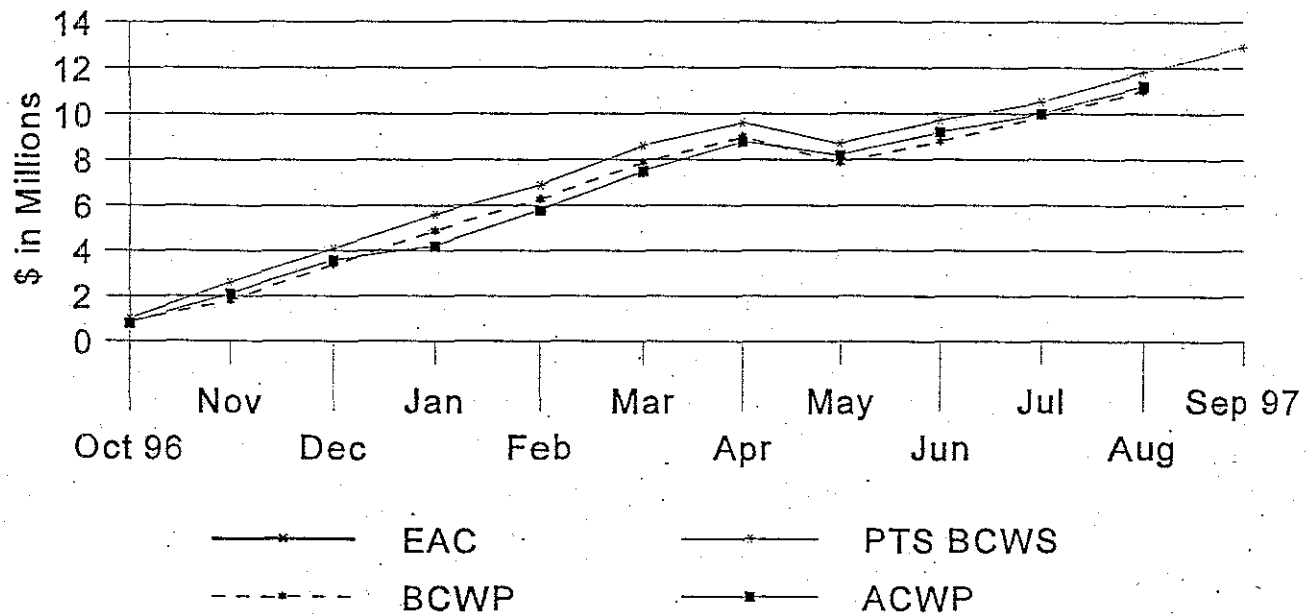


	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
EAC												
MYWP	1.9	3.5	5.0	7.4	9.7	12.1	14.5	17.0	19.3	21.3	23.2	27.9
PTS BCWS	1.8	3.2	4.8	6.4	8.8	12.7	14.0	14.5	19.2	20.4	21.8	25.9
BCWP	1.6	3.4	5.6	6.4	8.7	11.5	12.6	13.8	18.6	19.6	21.4	
ACWP	0.8	2.4	5.8	7.6	10.9	13.5	16.4	18.5	20.6	22.1	22.9	
SV	(0.2)	0.2	0.8	(0.0)	(0.1)	(1.2)	(1.4)	(0.7)	(0.5)	(0.7)	(0.3)	
CV	0.8	1.1	(0.2)	(1.2)	(2.2)	(2.0)	(3.8)	(4.7)	(1.9)	(2.4)	(1.5)	

WBS 1.1.1.3.1			BCWS	BCWP	FYTD ACWP	SV	CV	MYWP	PTS BCWP	EAC
ADS 1210-0	Waste Retrieval	Expense	6.5	6.2	7.3	(0.3)	(1.1)	12.3	7.5	
		CENRTC	0.1	0.1	0.0	0.0	0.1	0.0	0.1	
		GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Subtotal 1210-0		6.6	6.3	7.3	(0.3)	(1.0)	12.3	7.5	
ADS 1210-2	101-AZ Retrieval System W-151	Expense	0.2	0.2	0.4	0.0	(0.2)	0.0	0.2	
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		GPP/LI	0.4	0.1	0.4	(0.4)	(0.3)	0.0	0.4	
	Subtotal 1210-2		0.7	0.3	0.8	(0.4)	(0.5)	0.0	0.7	
ADS 1210-3	Initial Tank Retrieval System W-211	Expense	0.9	0.9	0.7	0.0	0.1	1.0	1.0	
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		GPP/LI	4.6	5.0	5.6	0.3	(0.7)	14.5	7.6	
	Subtotal 1210-3		5.5	5.8	6.4	0.3	(0.5)	15.5	8.6	
ADS 1210-4	106-C Sluicing W-320	Expense	9.0	9.0	8.4	0.0	0.6	0.1	9.1	
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Subtotal 1210-4		9.0	9.0	8.4	0.0	0.6	0.1	9.1	
Total Retrieval Project		Expense	16.6	16.3	16.8	(0.3)	(0.5)	13.4	17.8	
		CENRTC	0.1	0.1	0.0	0.0	0.1	0.0	0.1	
		GPP/LI	5.1	5.0	6.0	(0.0)	(1.0)	14.5	8.0	
Retrieval Project Summary			21.8	21.4	22.9	(0.3)	(1.5)	27.9	25.9	
S in Millions										

Process Waste Privatization Project

Cost/Schedule Performance - All Fund Types for FY 1997



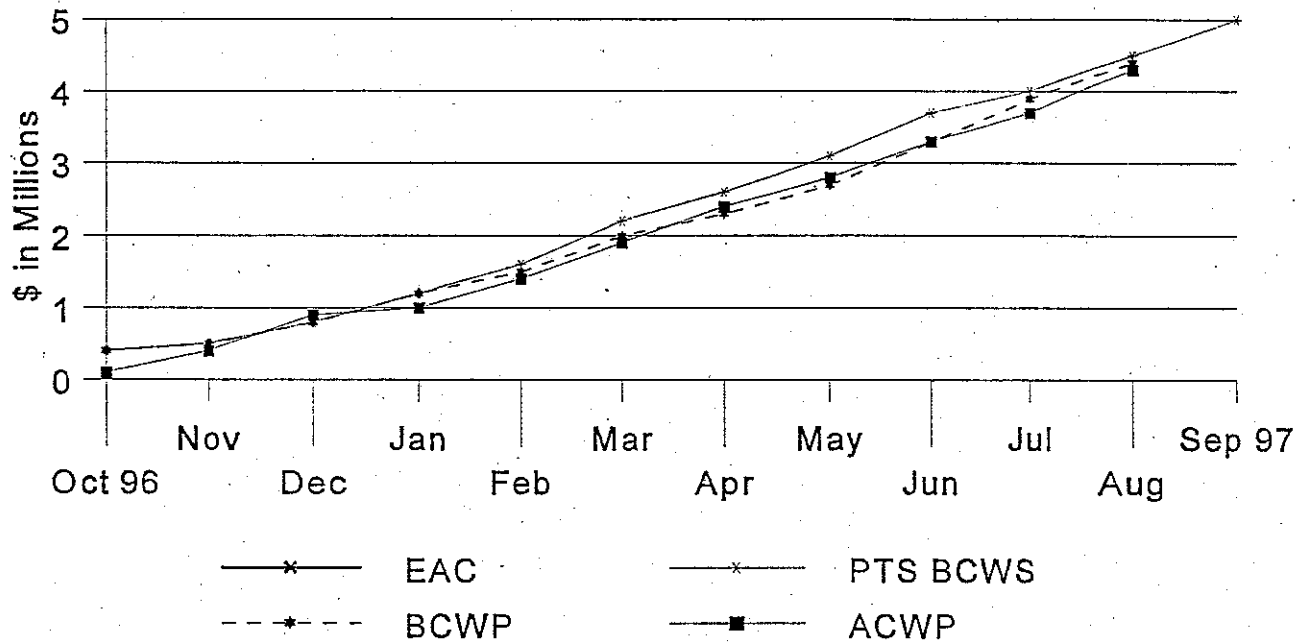
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
EAC												
MYWP	1.4	2.9	4.7	6.3	7.8	9.5	11.1	12.6	14.1	15.7	17.4	
PTS BCWS	1.0	2.6	4.1	5.6	6.9	8.6	9.6	8.7	9.7	10.5	11.5	
BCWP	0.9	1.8	3.4	4.9	6.3	7.9	9.0	7.9	8.8	9.9	11.0	
ACWP	0.8	2.1	3.6	4.2	5.8	7.5	8.8	8.2	9.2	10.0	11.2	
SV	(0.2)	(0.7)	(0.7)	(0.6)	(0.7)	(0.7)	(0.6)	(0.8)	(0.9)	(0.5)	(0.8)	
CV	0.1	(0.3)	(0.3)	0.7	0.5	0.4	0.1	(0.3)	(0.4)	(0.0)	(0.2)	

WBS 1.1.1.3			BCWS	BCWP	FYTD/ACWP	SV	CV	MYWP	PTS BCWP	EAC
ADS 1230-0	LLW Disposal	Expense	10.8	10.0	10.1	(0.7)	(0.1)	12.2	11.9	
		CENRTC	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
		GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Subtotal 1230-0		10.8	10.1	10.1	(0.7)	(0.1)	12.2	11.9	
ADS 1240-0	HLW Disposal	Expense	1.0	1.0	1.1	(0.0)	(0.1)	6.7	1.1	
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Subtotal 1240-0		1.0	1.0	1.1	(0.0)	(0.1)	6.7	1.1	
Total Process Waste Privatization Project Summary			Expense	11.8	11.0	11.2	(0.8)	(0.2)	18.9	12.9
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Retrieval Project Summary				11.8	11.0	11.2	(0.8)	(0.2)	18.9	12.9

\$ in Millions

Immobilized Tank Waste Storage & Disposal Project

Cost/Schedule Performance - All Fund Types for FY 1997

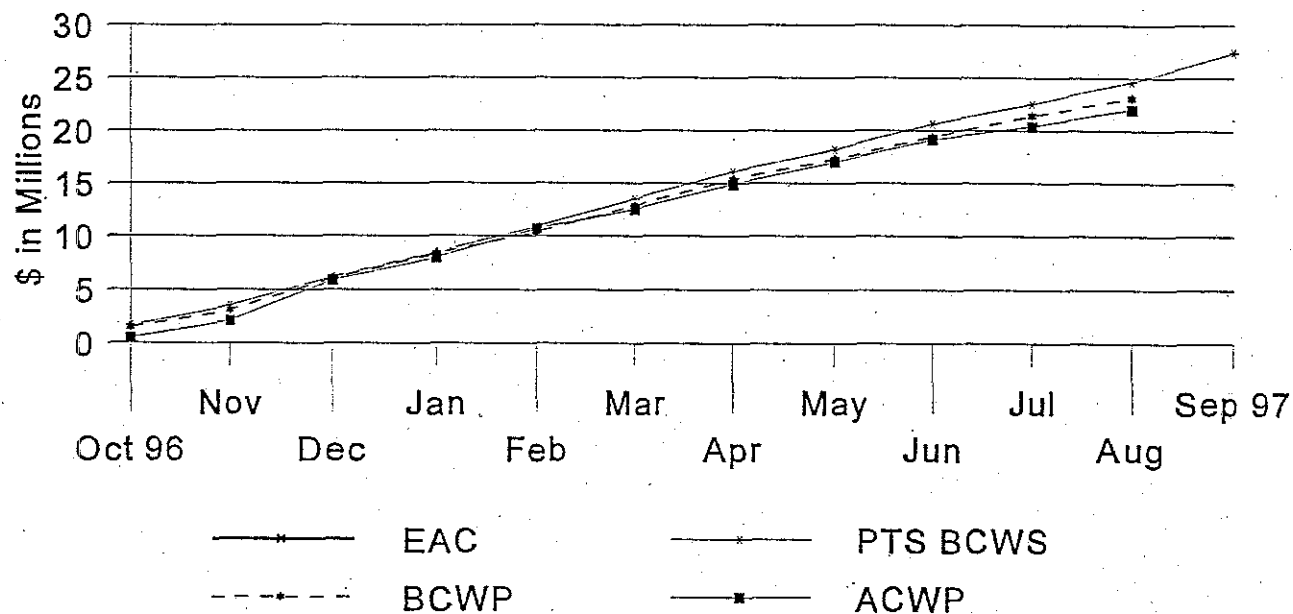


	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
EAC												
PTS BCWS	0.4	0.5	0.8	1.2	1.6	2.2	2.6	3.1	3.7	4.0	4.5	5.0
BCWP	0.4	0.5	0.8	1.2	1.5	2.0	2.3	2.7	3.3	3.9	4.4	
ACWP	0.1	0.4	0.9	1.0	1.4	1.9	2.4	2.8	3.3	3.7	4.3	
SPI	0.94	0.99	0.98	0.94	0.93	0.93	0.90	0.90	0.89	0.99	0.98	
CPI	3.36	1.42	0.92	1.22	1.03	1.05	0.99	1.00	1.00	1.05	1.04	

WBS 1.1.1.3.3			BCWS	BCWP	FYTD/ACWP	SV	CV	MYWP	PTS BCWP	EAC
ADS 1250-0	Storage & Disposal	Expense	4.5	4.4	4.3	(0.1)	0.2	7.3	5.0	
		CENRTC	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
		GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Subtotal 1250-0		4.5	4.4	4.3	(0.1)	0.2	7.3	5.0	
\$ in Millions										

Project Management

Cost/Schedule Performance - All Fund Types for FY 1997



	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
EAC												
MYWP	2.9	5.3	7.7	10.5	12.8	15.4	17.9	20.2	22.5	24.7	26.9	29.1
PTS BCWS	1.6	3.5	6.2	8.5	10.9	13.5	16.1	18.2	20.6	22.5	24.6	27.4
BCWP	1.5	3.1	6.1	8.4	10.4	12.9	15.4	17.3	19.4	21.4	23.1	
ACWP	0.5	2.1	5.9	8.0	10.7	12.5	14.9	17.0	19.1	20.4	22.0	
SV	(0.1)	(0.4)	(0.1)	(0.1)	(0.5)	(0.6)	(0.7)	(0.9)	(1.2)	(1.1)	(1.5)	
CV	1.0	1.0	0.2	0.4	(0.3)	0.4	0.5	0.3	0.3	1.0	1.1	

WBS 1.1.1.1			BCWS	BCWP	FYTD ACWP	SV	CV	MYWP	PTS BCWP	EAC
ADS 1200-0	TWRS Program Integration	Expense	24.6	23.1	22.0	(1.5)	1.1	29.1	27.4	
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Subtotal 1200-0		24.6	23.1	22.0	(1.5)	1.1	29.1	27.4	
\$ in Millions										

WBS	Description and Cause	Impact/Corrective Action
1.1.1.1 TWRS Project Management	<p>Schedule Variance: The total project schedule variance is within the established $\pm 10\%$ threshold. However, a slight schedule variance exists due to cost estimating work that has stopped due to funding issues.</p> <p>Cost Variance: The total project cost variance is within the established $\pm 10\%$ threshold.</p>	Reduced cost estimating support for MYWP development. This scope will be funded in FY 1998.
1.1.1.2.1 Tank Farm Operations	<p>Schedule Variance: The total project schedule variance is within the established $\pm 10\%$ threshold; however, Tank Farm Operations has a negative schedule variance due to the following reasons:</p> <p>Project W-314, "Tank Farm Restoration/Safe Operations" has a negative schedule variance due to limited resources on the startup/readiness assessment. The Drawing and Labeling Project is behind schedule resulting from a temporary slow down of the project due to funding concerns. The 200 West Area Tank Stabilization work is behind schedule due to late resolution of the flammable gas issue, with revisions of the work and work packages to conform to the flammable gas precautions.</p> <p>Cost Variance: The total project cost variance is within the established $\pm 10\%$ threshold.</p>	<p>There are no impacts to Project W-314 or the Drawing and Labeling Project at this time. Tri-Party Agreement Milestone M-41-22, "Start Interim Stabilization of Six SSTs," due September 30, 1997, will not be met as scheduled.</p> <p>Tri-Party Agreement Change Request M-41-97-01 is in process to extend Milestone M-41-22 to March 31, 1998.</p>
1.1.1.2.2 Tank Safety Issue Resolution	<p>Schedule Variance: The negative schedule variance is due to resource limitations, and technical issues regarding the grounding rod resulted in delays and redesign of the air terminal installation process.</p> <p>Cost Variance: The total project cost variance is within the established $\pm 10\%$ threshold.</p>	<p>RL Milestone T22-97-126, "Complete Mitigation of Lightning Threat," will not be met this fiscal year.</p> <p>The work is replanned in FY 1998.</p>
1.1.1.2.4 Tank Waste Characterization	<p>Schedule and Cost Variance: The total project cost variance is within the established $\pm 10\%$ threshold.</p>	N/A
1.1.1.3.1 Retrieval Project	<p>Schedule and Cost Variance: The total project cost variance is within the established $\pm 10\%$ threshold.</p>	N/A
1.1.1.3.3 Storage and Disposal	<p>Schedule and Cost Variance: The total project cost variance is within the established $\pm 10\%$ threshold.</p>	N/A

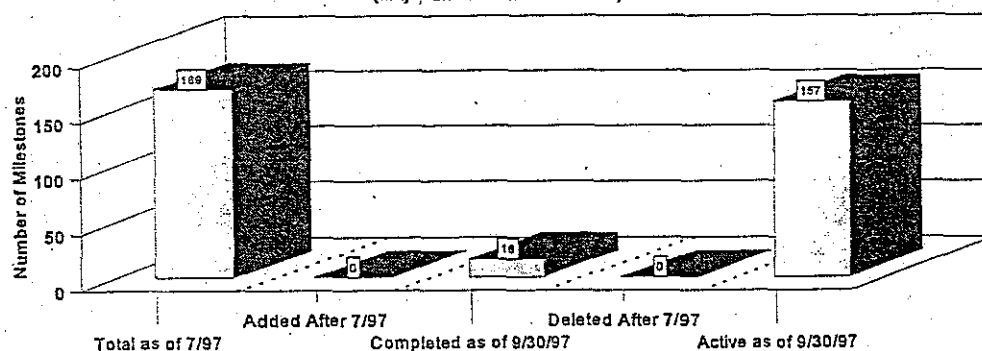
TWRS Program Cost Comparisons

ADS No.	Project Title	FY 1997 Preliminary EAC Cost	FY 1998 BCWS
1130-0	Tank Waste Characterization	54,897	47,543
1110-0	Tank Safety Issue Resolution	33,042	30,508
1100-0	Tank Farm Operations	114,558	86,805
- 1100-1	Tank Farm Restoration and Safe Operations (W-314)	6,241	21,827
- 1120-2	Tank Farm Ventilation Upgrades (W-030)	7,924	1,950
- 1120-4	Cross Site Transfer System (W-058)	21,871	1,075
1200-0	Management Support*	24,968	36,475
1210-0	Retrieval	15,212	24,656
- 1210-2	AZ Retrieval System (W-151)	864	600
- 1210-3	Initial Tank Retrieval System (W-211)	7,039	16,571
- 1210-4	Tank 106-C Sluicing (W-320)	9,194	14,921
1230-0	Process Waste Support	16,676	8,267
1230-0	Privatization Infrastructure	0	6,319
1290-0	Immobilized Tank Waste Storage & Disposal	4,687	10,549
TOTAL		317,204	308,066

*These costs include contractor performance fee of \$8.3M for 1997 and \$14.7M for 1998.

TPA Milestone Statistics

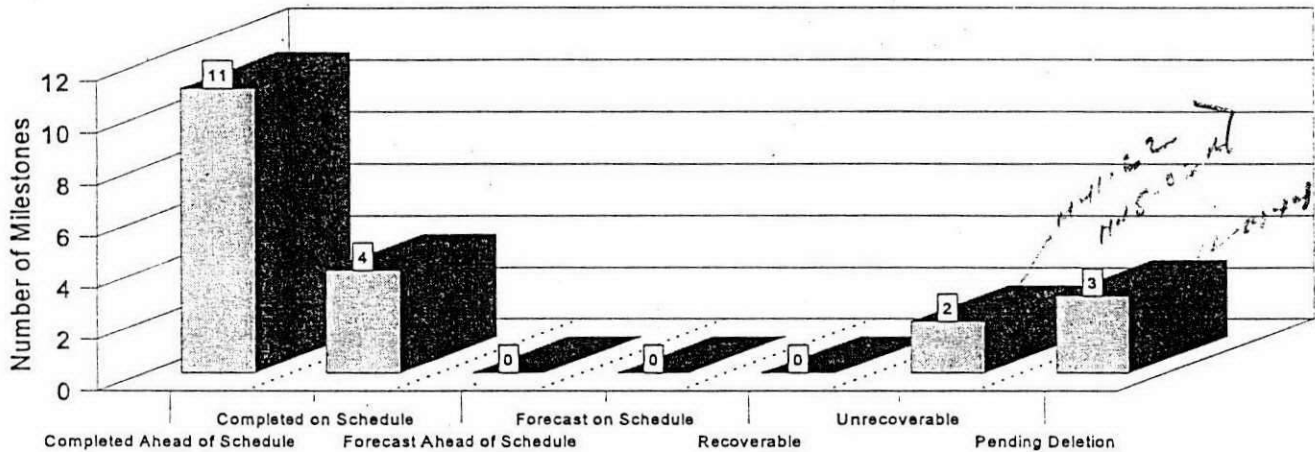
(Major and Interim Milestones)



	Milestone Completion Date	Total Milestones as of 7/97	Milestones Added After 7/97	Milestones Completed as of 9/30/97	Milestones Deleted After 7/97	Milestones Active as of 9/30/97
M-40-00 Mitigate/Resolve Tank Safety Issues for High Priority Watch List Tanks	9/30/2001	3	0	0	0	3
M-41-00 Complete Single Shell Tank Interim Stabilization	9/30/2000	11	0	0	0	11
M-43-00 Complete Tank Farm Upgrades	6/30/2005	12	0	1	0	11
M-44-00 Double and Single Shell Tank Characterization	9/30/1999	10	0	0	0	10
M-45-00 Complete Closure of all Single Shell Tank Farms	9/30/2024	48	0	3	0	45
M-46-00 Double Shell Tank Space Evaluation	9/30/1997	9	0	1	0	8
M-50-00 Complete Pretreatment Processing of Hanford Tank Wastes	9/30/2024	7	0	2	0	5
M-51-00 Complete Vitrification of Hanford High Level Tank Waste	12/31/2028	7	0	0	0	7
M-60-00 Complete Pretreatment and Immobilization of Hanford Low Activity Tank Waste	12/31/2024	5	0	0	0	5
M-61-00 Complete Pretreatment and Immobilization of Hanford Low Activity Tank Waste	12/31/2028	4	0	0	0	4
M-90-00 Interim Storage and Disposal of LAW and Interim Storage of HLW	TBD	13	0	0	0	13
Total		129	0	7	0	122

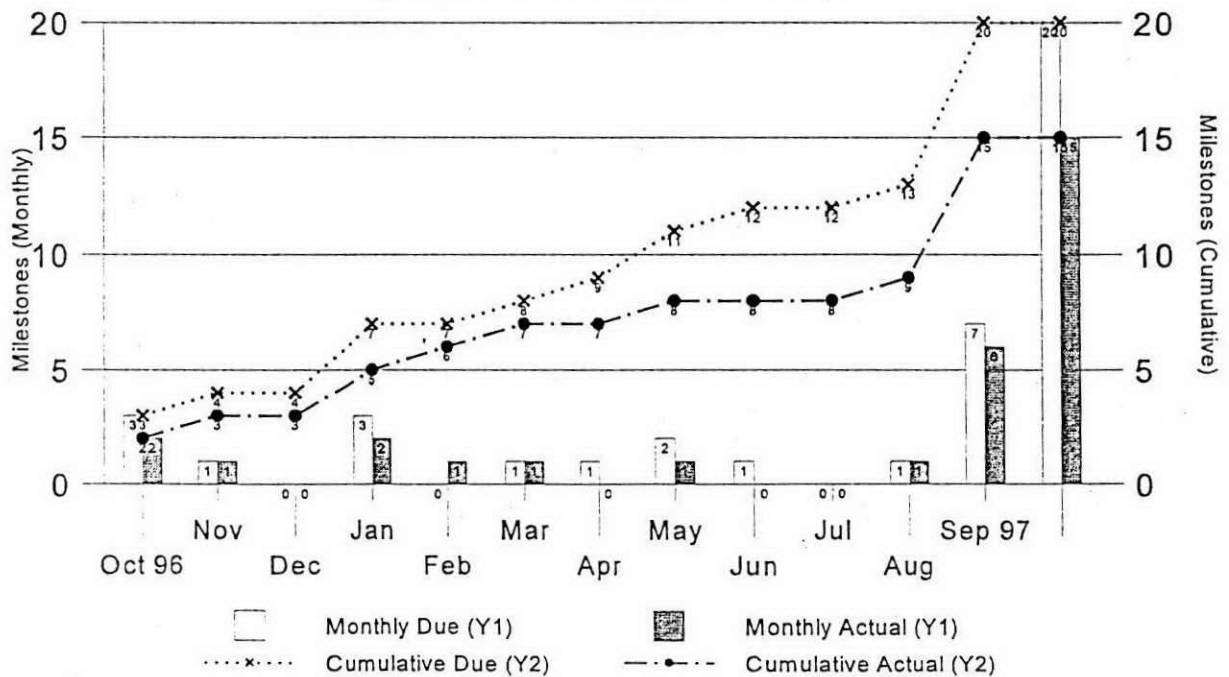
FY 1997 Milestone Performance

(Major & Interim Milestones)



FY 1997 Milestone Performance vs Plan

(Major & Interim Milestones)



Fiscal Year 1997 Tri-Party Agreement Milestone Status

Month	Milestone	Description	Due Date	Forecast Actual Date	Completed		Forecast		Recoverable	Unrecoverable	Pending Deletion
					Ahead of Schedule	On Schedule	Ahead of Schedule	On Schedule			
Oct-96	M-60-09	DOE will take delivery of and transmit to the Department of Ecology a report prepared by an independent contractor, that identified reasonable and practical contracting mechanisms (if any) that would facilitate acceleration of the start of hot operations of a LAW pretreatment and immobilization facility under the alternative path to privatization.	10/24/96			X					
	M-43-01B	Complete construction of W-030	10/31/96		X 5/28/96						
	M-44-02C	Submit TWAP AND TCRs annually to Ecology and EPA for approval. Status: This milestone, which was formally marked complete, is to be deleted per the proposed Change Request M-44-97-03, which is out for public comment as of August 1997.	10/31/96								X
Nov-96	M-46-01C	Concurrence of additional tank acquisition. The three parties shall meet to establish new milestones, if required, for acquisition of additional tanks.	11/30/96		X 11/21/96						
Jan-97	M-40-10	Complete vapor space monitoring for all flammable gas generating tanks. Design, procure, and fabricate standard hydrogen monitoring systems (SHMS) for all unreviewed safety question (USQ) flammable gas generating tanks. Prepare all required safety and environmental documentation for tank intrusive work on a tank by tank, or group of tanks, basis. Install the SHMSs and obtain vapor space GRAB samples. Analyze samples using a high sensitivity amss spectrometer to determine the concentrations of flammable gases (hydrogen, nitrous oxide, ammonia) for all tanks, and the background gas compositions for the double-shell tanks that entrap and periodically release gas. The vapor space of each tank will be observed over a sufficient period of time to make decisions regarding resolution of the safety issue. A report, with the analytical data for each tank, will be prepared, cleared for public release, and transmitted to RL for subsequent issuance to the Washington Department of Ecology and Environmental Protection Agency Monitoring will continue after the initial report.	1/31/97		X 1/23/97						

Fiscal Year 1997 Tri-Party Agreement Milestone Status

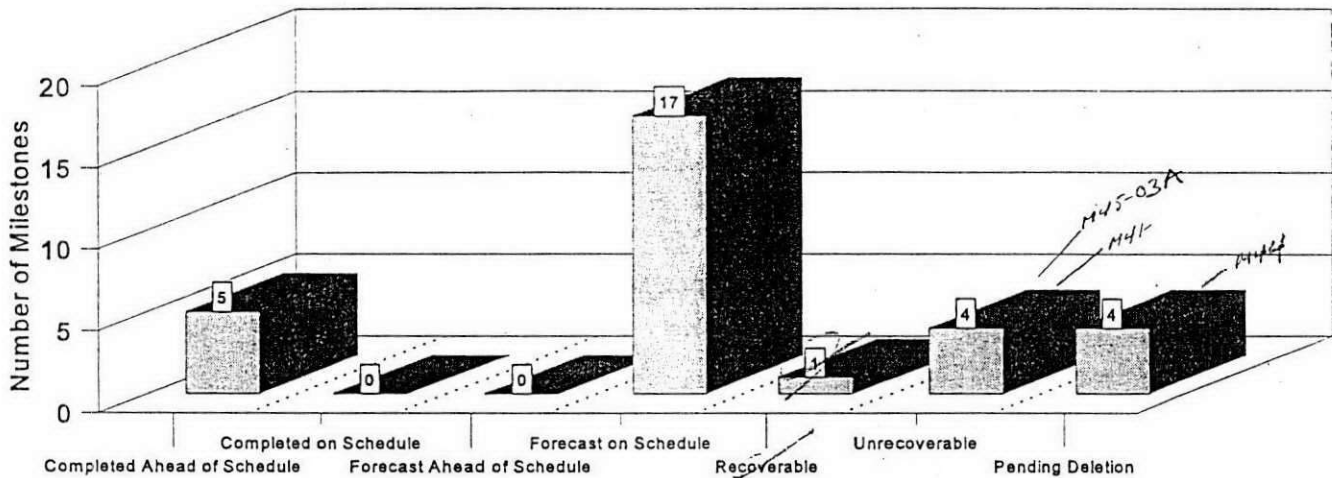
Month	Milestone	Description	Due Date	Forecast Actual Date	Completed		Forecast		Recoverable	Unrecoverable	Pending Deletion
					Ahead of Schedule	On Schedule	Ahead of Schedule	On Schedule			
	M-43-10	Start Definitive Design for Project W-314	1/31/97			X					
	M-60-08	Award Two (2) or More Design Only Privatization Contract(s) for Phase I LAW Pretreatment and Immobilization	1/31/97		X 9/25/96						
Mar-97	M-43-03	Provide the Washington State Department of Ecology and the Department of Health the Results of the Single Shell Tank ventilation Upgrades Needs Analysis.	3/31/97		X 3/28/97						
Apr-97	M-45-04A	Complete conceptual Design for the Initial SST Retrieval Systems.	4/30/97		X 2/19/97						
May-97	M-41-21	Start Interim Stabilization of 2 Single Shell Tanks.	5/31/97		X 5/12/97						
	M-44-01D	Submit a Draft Copy of the TWRS Tank Waste Analysis Plans (TWAP) and Tank Characterization Plans (TCPs) Revisions, Updates, and Additions Annually to Ecology and EPA. Status: Being deleted per Change Request M-44-97-03. Out for public review.	5/31/97								X
Jun-97	M-43-06-T06	Receive DOE-HQ Project Validation to Request Congressional Funding (for Project W-314D Tank Farm Electrical Upgrade).	6/30/97		X 8/29/95						
Aug-97	M-44-02D	Submit TWAP and TCRs annually to Ecology and EPA for approval Status: Being deleted per Change Request M-44-97-03. Out for public comment.	8/31/97	Dispute Resolution							X
Sep-97	M-41-22	Start Interim stabilization of 6 single-shell tanks Status: Change Request M-41-97-01 was submitted on June 27, 1997, to extend the due date to start interim stabilization of 6 single-shell tanks to March 31, 1998. In dispute as of July 17, 1997. Dispute elevated to the IAMIT on August 26, 1997, and extended to October 28, 1997. RL transmitted letter to Ecology on October 27, 1997, extending dispute to Major Milestone M-41-00.	9/30/97	Dispute Resolution 3/31/98						X	

Fiscal Year 1997 Tri-Party Agreement Milestone Status

Month	Milestone	Description	Due Date	Forecast Actual Date	Completed		Forecast		Recoverable	Unrecoverable	Pending Deletion
					Ahead of Schedule	On Schedule	Ahead of Schedule	On Schedule			
	M-41-27-T02	Complete salt well pumping of single-shell tanks Status: Three out of the four tanks (Tanks S-108, S-110, and BY-109) are interim stabilized.	9/30/97							X	
	M-45-02B	Submit annual update of SST retrieval sequence document for Ecology approval Status: Will be issued to DOE-RL by 9/22/97.	9/30/97			X					
	M-45-08-T02	Establish criteria through stakeholder participation and Ecology approval for: (1) determining allowable leakage volumes, and (2) acceptable leak monitoring/detection and mitigation measures necessary to permit sluicing operations. Status: Change Request M-45-97-02 was approved on April 22, 1997 to change the due date of this target from April 30, 1997, to September 30, 1997. Will be issued by COB September 22, 1997.	9/30/97			X					
	M-45-09B	Submit annual progress reports on the development of waste tank leak monitoring/detection and mitigation activities in support of M-45-08. NOTE: This milestone was established by Change Request M-45-95-01, which was approved on May 15, 1995. Status: Will be issued on September 22, 1997.	9/30/97		X 9/25/97						
	M-46-00D	Double-shell tank space evaluation NOTE: This new milestone replaces existing Milestone M-31-02. Status: This DST space evaluation (M-46-01D) along with the concurrence of additional tank acquisition (M-46-01D) sent to EAP for signature on September 19, 1997.	9/30/97		X 9/22/97						
	M-50-03-T2C	Submit a report summarizing the testing of enhanced sludge washing and related tank waste sludge pretreatment methods for samples of tank waste sludge Perform testing of enhanced sludge washing and related tank waste sludge pretreatment methods using actual tank waste samples. Document and issue results of testing completed to that time. Status: This is an annual report due through 1997. Issued to FDH on September 11, 1997.	9/30/97		X 9/29/97						
TOTAL					11	4				2	3

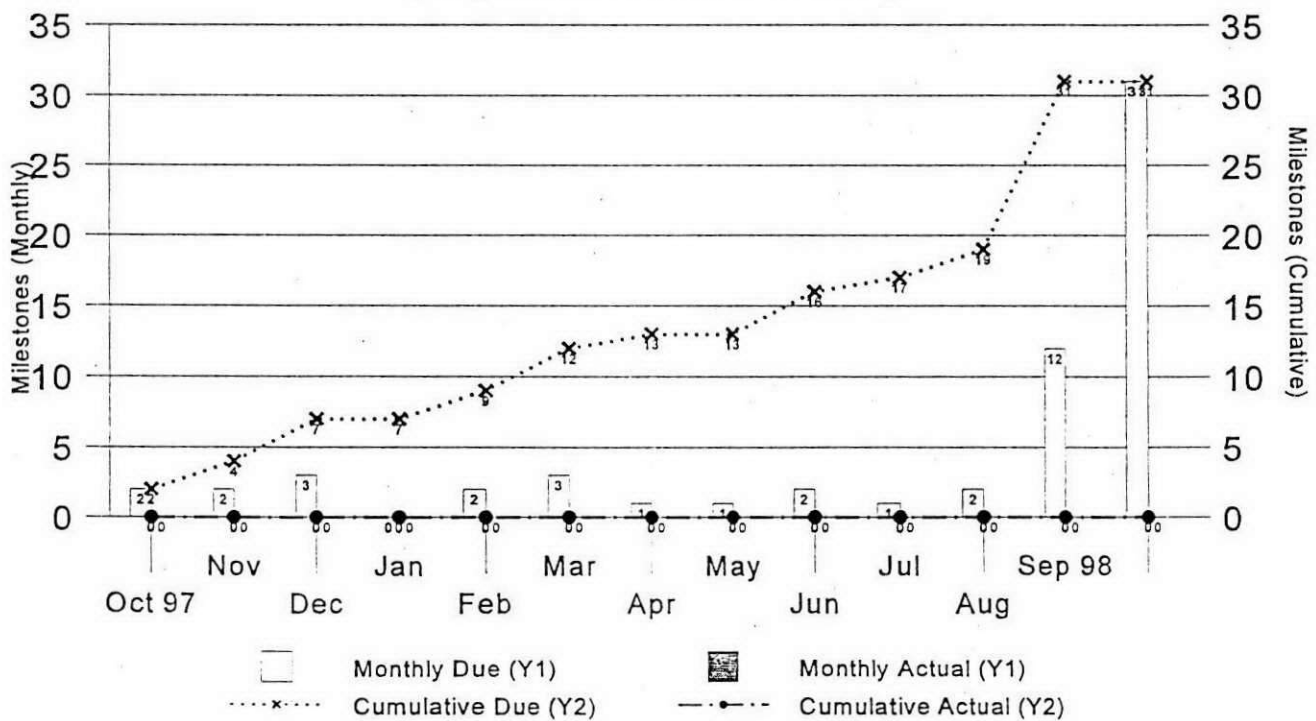
FY 1998 Milestone Performance

(Major & Interim Milestones)



FY 1998 Milestone Plan

(Major & Interim Milestones)



Fiscal Year 1998 Tri-Party Agreement Milestone Status

Month	Milestone	Description	Due Date	Forecast Actual Date	Completed		Forecast		Recoverable	Unrecoverable	Pending Deletion
					Ahead of Schedule	On Schedule	Ahead of Schedule	On Schedule			
Oct-97	M-43-07B	Complete construction of W-058	10/31/97	10/31/97	X 8/29/97						
	M-45-03A	Initiate sluicing retrieval of C-106. Initiate sluicing retrieval of Tank 241-C-106 to resolve the high-heat safety issue and demonstrate waste retrieval Status: Change Request M-45-97-03 was issued May 6, 1997. Ecology has rejected DOE's proposal for a milestone change, but will not issue penalties at this time. Discussions are being held at the Wagner level to decide on a path forward.	10/31/97	Dispute Resolution						X	
Nov-97	M-44-10	Issue 40 TCRs in accordance with the approved TCPs. Complete input of characterization information for 40 HLW tanks to electronic database(s) Status: To be deleted per Change Request M-44-97-03. Public review of this change request ended on October 15, 1997, and the draft responses are in review.	11/14/97	11/14/97							X
	M-46-01D	Concurrence of additional tank acquisition. The three parties shall meet to establish new milestones, if required, for acquisition of additional tanks Status: Concurrence letter sent to Ecology on September 30, 1997.	11/30/97	9/30/97	X 9/30/97						
Dec-97	M-43-01	Complete Project W-030 Tank Farm ventilation upgrades Status: New ventilation system tied into all four tanks and blanked. Awaiting completion of other readiness activities. Safety evaluation report behind schedule.	12/31/97	12/31/97				X			
	M-43-01C	Begin operation of W-030 Status: ORR on schedule; Ecology may participate.	12/31/97	12/31/97				X			
	M-90-01	Submit interim storage and disposal ILAW, and interim storage IHLW Project Management Plans (PMP) to Ecology pursuant to Agreement Section 11.5. Status: Scheduled for delivery to Ecology in October.	12/31/97		X 10/97						

Fiscal Year 1998 Tri-Party Agreement Milestone Status

Month	Milestone	Description	Due Date	Forecast Actual Date	Completed		Forecast		Recoverable	Unrecoverable	Pending Deletion
					Ahead of Schedule	On Schedule	Ahead of Schedule	On Schedule			
Feb-98	M-43-07	Complete Project W-058 Replacement of Cross-Site Transfer System Status: Schedule will be elevated once Milestone M-43-07B has been completed	2/28/98	2/28/98				X			
	M-43-07C7	Cross-Site Transfer System operational Status: Schedule will be elevated once Milestone M-43-07B has been completed.	2/28/98	2/28/98				X			
Mar-98	M-41-23	Start Interim stabilization of 8 single-shell tanks Status: Schedule slippage on Milestone M-41-22 will impact completion of this milestone.	3/31/98	Pending Change Request						X	
	M-50-03	Complete evaluation of enhanced sludge washing to determine whether advanced sludge separation processes are required	3/31/98		X 9/29/97						
	M-50-04-T01	Submit conceptual design of HLW pretreatment facility Status: This milestone will be met by the contractor selection in Milestone M-60-10 (Due July 1998) if HLW is included in Phase I privatization. This will not be met by the due date since Milestone M-60-10 is not scheduled to be complete until after the due date for Milestone M-50-04-T01. A TPA Change Request will have to be approved or it will be missed.	3/31/98					X			
Apr-98	M-41-17	Start Interim Stabilization of 2 Non-Watchlist Tanks in 241-T Tank Farm.	4/30/98		X 8/30/95						
May-98	M-44-01E	Submit a draft copy of the TWRS Tank Waste Analysis Plans (TWAP) and Tank characterization Plans (TCP) revisions, updates, and additions annually to Ecology and EPA	5/31/98								X
Jun-98	M-44-13B	Submit draft WRD to Ecology for FY 1999. Ecology will provide comments within 30 days after submittal.	6/30/98					X			
	M-90-02-T01	Complete ILAW interim storage facility conceptual design	6/30/98					X			
Jul-98	M-60-10	Select two (2) coco contractors and issue DOE signed authorizations to proceed with Part B (as defined in the RFP or subsequently negotiated contracts) works for LAW pretreatment and immobilization	7/31/98					X			

Fiscal Year 1998 Tri-Party Agreement Milestone Status

Month	Milestone	Description	Due Date	Forecast Actual Date	Completed		Forecast		Recoverable	Unrecoverable	Pending Deletion
					Ahead of Schedule	On Schedule	Ahead of Schedule	On Schedule			
Aug-98	M-44-14B	Submit Final WIRD to Ecology for FY 1999.	8/31/98					X			
	M-44-02E	Submit TWAP and TCRs annually to Ecology and EPA for approval	8/31/98								X
Sep-98	M-40-09	Close all unreviewed safety questions (USQ) for double-shell and single-shell tanks	9/30/98					X			
	M-41-24	Start interim stabilization of 9 single-shell tanks	9/30/98							X	
	M-41-27-T03	Complete salt well pumping of 8 single-shell tanks	9/30/98							X	
	M-43-11	Provide the W-314 project construction schedule to Ecology	9/30/98					X			
	M-44-11	Issue 30 TCRs in accordance with the approved TCPs. Complete input of characterization information for 30 HLW tanks to electronic database(s)	9/30/98	Change Request					X		
	M-44-15B	Issue Characterization Deliverables consistent with WIRD Developed for FY 1998.	9/30/98					X			
	M-44-16B	Complete input of Characterization Information for HLW Tanks for Which Sampling and Analysis were Completed per WIRD into an Electronic Database.	9/30/98					X			
	M-45-02C	Submit annual update of SST retrieval sequence document for Ecology approval	9/30/98								X
	M-45-09C	Submit annual progress reports on the development of waste tank leak monitoring/detection and mitigation activities in support of M-45-08.						X			
	M-46-00E	Double-shell tank space evaluation	9/30/98					X			
	M-51-02	Complete melter tests and select reference melter	9/30/98					X			
	M-51-03-T01	Submit conceptual design (to include selected capacity and process) of HLW vitrification facility	9/30/98					X			
Total					5			17	1	4	4

Change Request M-43-97-01

Change Request M-43-97-01 extends the due date for beginning operation of W-030 from October 31, 1997, to December 31, 1997. Approved July 22, 1997.

Change Request M-43-97-02

Change Request M-43-97-02 extends the completion dates for completing construction of W-058 from August 31, 1997 to October 31, 1997. Approved July 22, 1997.

Change Request M-44-97-04

Completed negotiations on Major Milestone M-44-00 in July 1997. Public comment completed October 15, 1997. Comment resolution tentatively scheduled to be completed by November 1, 1997, with final signatures (tentatively) received by November 30, 1997.

Change Request M-41-97-01

RL formally transmitted a letter to Ecology expanding scope of Change Request M-41-97-01 from Interim Milestone M-41-22 to Major Milestone M-41-00.

Change Request M-45-97-06

Final determination received by Ecology on October 8, 1997. RL disagrees with Ecology's findings, and will pursue review of Ecology's determination through appeal to the Pollution Control Hearings Board.

Milestone M-32-00, "Complete Identified Dangerous Waste Tank Corrective Actions."

- Paperwork in progress to transfer ownership of milestone from EAP to TWRS.
- Partnering group established between DOE, Ecology, and PHMC to negotiate new milestones for DST Integrity Assessment.

Milestone M-40-00, "Mitigate/Resolve Tank Safety Issues for High Priority Watch List Tanks."

- Completed Secretarial Safety Initiative, "Complete Installation of Continuous Temperature Monitoring System on Remaining Organic Tanks by September 30, 1997."
- Completed the field installation of 13 Standard Hydrogen Monitoring Systems (SHMS).
- Completed Grounding and Bonding of 505 of the 575 risers in all tanks farms under the lightning protection project.

Milestone M-41-00, "Complete Single-Shell Tank Interim Stabilization."

- Completed interim stabilization of 118 tanks and intrusion prevention on 102 tanks.
- Pumping Tank 241-T-104 pumpable. Pumpable liquids estimated at 42K gallons (to date pumped 123K gallons). Currently shut down for equipment qualification to BIO standards.
- M-41-27-T02, "Complete Salt Well Pumping of 4 Single-Shell Tanks" (9/97)
 - Declared tanks 241-S-108, 241-S-110, and 241-BY-109 interim stabilized.

Milestone M-43-00, Tank Farm Upgrades."

- M-43-01, "Complete Project W-030 Tank Farm Ventilation Upgrades" (12/97)
 - RL Manager approved the Authorization Basis Package
 - Completed 42-inch tie-ins; facility configuration met to commence initial operation upon DOE approval to start up
- M-43-07, "Complete Project W-058 Replacement of Cross-Site Transfer System" (2/28/98)
 - Preparation and Operational Test Procedures 03 and 06 approved.
 - Tier II review complete on Final Safety Analyses. Forwarded to Tier III on October 27, 1997.
 - Notice to Proceed issued for grass seeding contract
 - Completion of 14 of the 23 punch list items - most punch list items related to slurry line, which is not required to meet TPA Milestone M-43-07C, "System Operational."
 - M-43-07B, "Complete Construction of Project W-058," complete 8/29/97.

- M-43-10, "Start Definitive Design for Project W-314" (1/31/97)
 - Obtained approval for Project W-314 Phase I acceleration change request
 - Obtained FY 1999 budget validation
 - NEPA Documentation (Supplement Analysis) completed and approved
 - Conducting design reviews on three Phase II packages
 - Developed the detailed design for three upgrade packages in the double shell tank farms, and performed design reviews on these packages
 - Completed FY 1999 validation presentation to HQ-FM, and obtained their recommendation for inclusion in the FY 1999 budget
 - Completed M-43-10, "Start Definitive Design for Project W-314"

Milestone M-44-00, "Issue Tank Characterization Reports (TCRs) Based on Process Knowledge, Prior Characterization Data, and Validated Empirical Data Acquired After May 1989 for 177 Hanford High Level Waste Tanks."

- Completed Milestone M-44-10, "Issue 40 TCRs in Accordance with Approved TCPs. Complete input of Characterization Information for 40 HLW Tanks to Electronic Databases" (9/97)
- Completed negotiations on Major Milestone M-44-00.
- Completed a re-planning to accelerate the completion of the initial phase in support of the Privatization contractor's feed delivery needs; the baseline change request was approved.

Milestone M-45-00, "Complete Closure of All Single-Shell Tank Farms"

- M-45-02B, "Submit Annual Update of SST Retrieval Sequence Document for Ecology Approval by September 1997," completed (9/27/97).
- M-45-03A, "Initiate Sluicing Retrieval of C-106."
 - Manager approved SER on Project W-030, "106-C Sluicing" (9/97).
 - Completed RFP for 106-C Heel Retrieval.
- M-45-08-T02, "Establish the Criteria Through Stakeholder Participation and Ecology Approval for: (1) Determining Allowable Leakage Volumes, and (2) Acceptable Leak Monitoring/Detection and Mitigation Measures Necessary to Permit Sluicing Operations by September 1997," completed (9/25/97).
- M-45-09B, "Submit Annual Progress Reports on the Development of Waste Tank Leak Monitoring/Detection and Mitigation Activities in Support of M-45-08 by September 1997," completed (9/25/97).

Milestone M-46-00, "Double-Shell Tank Space Evaluation." (9/97)

- M-46-00, "Double-Shell Tank Space Evaluation" completed (9/27/97)

Milestone M-50-00, "Complete Pretreatment Processing of Hanford Tank Wastes."

- M-50-03, "Complete Evaluation of Enhanced Sludge Washing to Determine Whether Advanced Sludge Separation Processes are Required by March 31, 1998" completed (9/27/97).
- M-50-03-T2C, "Submit a Report Summarizing the Testing of Enhanced Sludge Washing and Related Tank Waste Sludge Pretreatment Methods for Samples of Tank Waste Sludge by September 30, 1997" completed (9/27/97).
- M-50-04-T01, "Submit a Conceptual Design of HLW Pretreatment Facility" (3/31/98)
 - Project W-211 installed mixer pumps in DSTs which will allow for the pretreatment of HLW for the Phase I Private Contractors

Milestone M-60-00, "Complete Vitrification of Hanford Low Level Tank Wastes."

- Three Privatization Review Board Meetings have been held. The next meeting is scheduled for November 6, 1997.
 - Reviewing generic contractor proposed changes and providing guidance regarding their acceptability
 - Acceptance of the ATP schedule, especially the required HQ turn around times.
 - Briefings for the Secretary being scheduled based on his availability and the ATP schedule.
- Congress has requested a 30-day review process for TWRS Privatization
 - Condenses the 4-month review process to 3 months
- Congressional review of the entire TWRS management and operations process. To be completed by June 1998.
- Congress has allocated \$200M for DOE Privatization efforts, including TWRS. The TWRS allocation of funds is currently about \$110M.
- LMAES
 - Progress is consistent with the Integrated Master Plan
 - Pretreatment tests show very favorable radionuclide removal
 - Standards Approval package submitted to the Regulatory Unit
 - Discussions are being held with DOE regarding proposed contract changes (technical, schedule, and cost)
- INEL Pit-9 Problems have provided important lessons learned.
 - Privatization Contractors are looking at their management capabilities to ensure that the right person is on the job. There is significant HQ emphasis on this issue
 - Concurrent design and construction will be limited to reduce project risk
 - Ensuring that the waste specifications are correct and are in accordance with the contract requirements

- BNFL
 - Progress is consistent with the Integrated Master Plan
 - Hosted Trips to Sellafield for DOE and HAB
 - Developing their financing package
 - Discussions are being held with DOE regarding proposed contract changes (technical, schedule, and cost)
 - Conceptual Design is complete
 - Standards Approval Package has been submitted to the Regulatory Unit
 - Sample testing meets or exceeds all contract requirements

Milestone M-90-00, "Complete Acquisition of New Facilities, Modifications of Existing Facilities, and/or Modifications of Planned Facilities, as Necessary.

- M-90-01 "Submit Interim Storage and Disposal ILAW and Interim Storage IHLW PMPs to Ecology." (12/97)
 - Project Management Plans were drafted and delivered to Ecology for review in October 1997.
- ^{12/31/2002} M-90-11, "Complete Canister Storage Facility Construction."
 - IHLW Canister Storage Building conceptual design report underwent technical review September 1997
- ^{6/20/99} M-90-12, "Submit Revised Canister Storage Facility Part A Dangerous Waste Permit Application to Ecology."
 - Data need collection for the revised Part A Dangerous Waste Permit Application Initiated with Privatization contractors.

Basis for Interim Operations (BIO)

- Implementation readiness declared by DOE-RL on September 12, 1997
- TWRS Authorization Basis switched from ISB to BIO on September 29, 1997

Final Safety Analysis Report (FSAR)

- Final FSAR submitted August 15, 1997
- Final FSAR currently under Tier II review by TWRS
- Approval authority has been delegated from DOE-HQ to RL

Record of Decision

- TWRS ROD committed to reevaluate decisions based on new information at three times over the next 10 years.
- First reevaluation due prior to award of Privatization 1B contracts. Reevaluation will consist of evaluation of new data (data since issuance of the TWRS EIS) to determine if substantial changes in impacts to selected alternatives exist.

Public Involvement

- M-44-00
 - Public comment period ended October 15, 1997
 - Response to comments drafted and being reviewed by RL and Ecology
- TWRS Privatization Public Forum (10/30/97)
- Hanford Advisory Board November 6 and 7, 1997 (Portland)
- HS & WM Committee meeting on November 12, 1997 (Seattle)
- ER Committee meeting on November 13, 1997 (Richland)
- Dollars and Sense Committee meeting on November 14, 1997 (Richland)

Resource Conservation and Recovery Act Activities

- Hanford Facility RCRA Permit
 - Permit condition II.U.W, which required mapping and marking of waste piping outside the fences enclosing 200 East and 200 West Areas (CSTS), was completed (9/97)
- Double-Shell Tank RCRA Part B Permit Application
 - On schedule to be completed June 1, 1999
 - 8 chapters completed (Chapters 1, 5, 6, 8, 9, 10, 12, and 13)
 - 7 chapters still outstanding (Chapters 2, 3, 4, 6, 11, 14, and 15)
 - Discussions being held with Ecology on a monthly basis

Clean Air Act

- Non-Rad Notice of Construction for Rotary Mode Core Sampling System (RMCS) waiting for revision from PHMC
- Notice of Construction for 244-AR Vault Sump Pumping
 - Revised NOCs submitted to the regulatory on August of 1997
 - WDOH approval with condition on October 20, 1997
- Revised Non-Rad Notice of Construction for Project W-320
 - Expect Ecology approval by October 31, 1997
- Non-Rad Notice of Construction for Mixer Pump Installation (W-151)
 - Ecology performing final review; expect approval by November 1997
- SX Farm RAD NOC for RMCS Activities
 - Submitted to WDOH on October 17, 1997 for review and approval; expect approval by November 7, 1997

M-40-00, "Mitigate/Resolve Tank Safety Issues for High Priority Watch List Tanks" (9/01)

- Closeout of M-40-07 dispute resolution
- Begin accelerated closure of the Organic Complexant Safety Issue
- Begin turnover of SHMS for beneficial use to Operations
- Begin field installation of 3 additional SHMS
- Begin review of proposed Flammable Gas controls for SSTs derived from the SCOPE process
- Begin the final phase of the lightning protection project

M-41-00, "Complete Single Shell Tank Interim Stabilization"

- Complete negotiations/discussions on Major Milestone M-41-00 completion with regulators
- Initiate/restart pumping of tanks 241-SX-104; 241-BY-103; 241-T-110; 241-T-104; and 241-AX-101
- FY 1998 activities to focus on:
 - Emergency pumping capabilities
 - Reduction of cost for SST stabilization
 - pumping of remaining leakers

M-43-00, "Tank Farm Upgrades"**M-43-01, "Project W-030 Tank Farm Ventilation Upgrades" (12/97)**

- Declaration of plant readiness (10/31/97)
- Complete RL and Contractor ORR (11/21/97)
- RL Manager startup notification (12/12/97)
 - Shut down existing 702-A ventilation system
 - Begin operation of 702-AZ ventilation system

M-43-07, "Complete Project W-058 Cross Site Transfer System" (2/98)

- Conduct pre-operational testing for POTPs 02, 03, and 06 (10/1/97 - 11/15/97)
- Obtain approval of the safety document (11/97)
- Complete sagebrush mitigation in the fall (11/97)
- Complete Training Plan by 12/31/97
- Complete ATP and OTPs by 12/97

- Complete M&I and DOE ORR by 2/28/98
- Complete Tri-Party Agreement Milestone M-43-07C, "System Operational" by 2/28/98
- Complete Tri-Party agreement Milestone M-43-07, "Complete Project W-058" by 2/28/98

M-43-10, "Project W-314 Tank Farm Restoration and Safe Operation"

- Construction planned to start on first upgrades package (AN Valve Pits) (12/97)
- Continue design on two new packages

M-44-00, "Tank Waste Characterization"

- Complete dispute resolution on Milestone M-44-00
- Brief Ecology on FY 1997 and FY 1998 WIRD

M-45-00, "Complete Closure of all Single Shell Tank Farms"

- Award contract for C-106 Heel Removal (2/98)

M-60-00, "Complete Vitrification of Hanford Low Level Tank Wastes"

- TWRS Privatization Readiness to Proceed documents are being prepared for the PHMC and DOE.
- Privatization Contractors will provide the deliverable required for Phase I of TWRS Privatization (1/98).

1/25/98

ISSUES: TWRS FY 1998 UNFUNDED CRITICAL & COMPLIANCE ACTIVITIES

PBS	ADS	UNIT OF ANALYSIS	DESCRIPTION OF NON-COMPLIANCE: (MILESTONE #, WAC, DNFSB COMMITMENT # LENGTH OR EXTENT OF DELAY)	\$ REQUIRED FOR COMPLIANCE
TW02	1110-0	TWRS FSAR IMPLEMENTATION <i>issue</i>	DNFSB 93-5; DNFSB 95-2; and DOE Order 5480.23 EXTENT OF DELAY: Implementation delayed one year.	5,000K
TW03	1100-0	TWRS SALTWELL PUMPING	TPA Major and Interim Milestones: M-41-00 (9/20/00); M-41-23 (3/31/98); M-41-24 (9/30/98); M-41-25 (3/31/99); M-41-26 (9/30/99); and M-41-27 (9/30/00)	13,200K <i>ESOP/Regula</i>
TW01	1130-0	TWRS WASTE CHARACTERIZATION (SUPPORT TO SST STABILIZATION)	EXTENT OF DELAY: A minimum of one year DOE will be entering into negotiations with Ecology on the above milestones. If negotiations fail, penalties could be levied.	1,300K <i>UNPLANT ACTIVITY</i>
TW02	1110-0	TWRS DNFSB 95-2 INTEGRATED SAFETY MANAGEMENT SYSTEM	DNFSB 95-2 <i>quest for 99 elimination</i> EXTENT OF DELAY: In review (see note below) NOTE: DOE has directed a funds reallocation to support Integrated Safety Management System (ISMS) Phase I and site integration (\$300K) and completion of the portion of Phase II for a lower-level facility (\$350K)	850K
TW01	1130-0	TWRS WASTE CHARACTERIZATION (DNFSB 93-5)	DNFSB 93-5 EXTENT OF DELAY: (See note below) NOTE: DNFSB 93-5 requires vapor samples from all tanks. If efforts to close the Organics Solvent Issue are successful, the data will be available to satisfy the vapor sampling requirement in FY 1998, thus eliminating this compliance requirement.	8,457K
TW02	1110-0	TWRS RESOLUTION OF FLAMMABLE GAS SAFETY ISSUE	TPA Major Milestone M-40-00 (9/30/01); and Wyden Bill EXTENT OF DELAY: 1-2 years	3,000K
TW02	1110-0	TWRS FLAMMABLE GAS EARLY USQ CLOSURE CHALLENGE	NOTE: Only \$200K (SNL funding) has been identified as an efficiency associated with SCOPE. \$1.5M has been identified as possible equipment deferrals which may affect closure of the Flammable Gas Safety Issue. Any cuts beyond the above \$1.7M, will result in delay of closure of the Flammable Gas Safety Issue.	1,300- 2,800K
TW03	1100-0	TWRS TANK ISOLATION AND ABANDONED EQUIPMENT	TPA Major Milestone M-41-00 (9/30/00). EXTENT OF DELAY: A minimum of one year DOE will be entering into negotiations with Ecology on the above milestones. If negotiations fail, penalties could be levied.	5,999K
TW03	1100-0	TWRS AS-BUILT DRAWINGS (EAST)	Secretarial Safety Initiative 4C; DNFSB Recommendation 90-2; and SRIDs EXTENT OF DELAY: 2 years	3,000K
TW03	1100-0	LONG LENGTH CONTAMINATED EQUIPMENT	WAC 173.303 Dangerous Waste Regulations EXTENT OF DELAY: N/A NOTE: Dangerous Waste Regulations could occur if long-length contaminated equipment is moved without the use of this equipment. No movements are currently scheduled.	1,300K

ISSUES: TWRS FY 1998 UNFUNDED CRITICAL & COMPLIANCE ACTIVITIES

PBS	ADS	UNIT OF ANALYSIS	DESCRIPTION OF NON-COMPLIANCE; (MILESTONE #, WAC, DNFSB COMMITMENT # LENGTH OR EXTENT OF DELAY)	\$ REQUIRED FOR COMPLIANCE
9		ELIMINATE PROJECT READINESS REVIEW	TPA Interim Milestone M-43-01c (12/31/97) EXTENT OF DELAY: 1 year NOTE: Funding for this activity was not planned in the project budgets. Potential impact on project operations.	1,500K
10		VADOSE ZONE SUPPORT	RCRA EXTENT OF DELAY: TBD NOTE: Activity is not strictly compliance related, but activity is high priority for the TWRS Program.	4,500K
11		VADOSE ZONE SUPPORT	RCRA EXTENT OF DELAY: TBD NOTE: See above	4,000K
12		ADDITIONAL ISSUE #1 FLAMMABLE GAS MINIMUM SAFE OPERATIONS	TPA Milestone M-40-09 < 9/30/98 > The SCOPE process has identified (via the sensitivity analysis) a small set of parameters that require additional technical basis in order to close the Flammable Gas USQ. The expert elicitation process does not provide adequate technical basis for these parameters. Discussions regarding this issue have been held between RL, TWRS (C. Sohn), FDH, and LMHC.	
13		ADDITIONAL ISSUE #2	TPA Milestone M-40-09 < 9/30/98 > See attached schedule from MYWP backup documentation. The contractor is required to provide documentation as to whether this milestone will be met.	
14		ADDITIONAL ISSUE #3	DNFSB 92-4 commitments for FY 1998 include DOE delivery of MYWP (or MYWP backup) documentation demonstrating systematic integration of technology activities (regardless of funding source). DOE-RL guidance to document technology integration was provided in the July 25 MYWP guidance letter. To date, FDH response has been unsatisfactory to meet DNFSB deliverables. MYWP documentation (or backup material) demonstrating technology activity integration in the TWRS Program must be provided by COB October 10, 1997.	
GRAND TOTAL			COMPLIANCE REQUIREMENTS	\$53,406 - \$54,906K

MUST

Potential New Fiscal Year 1998 Emerging Impacts

Funds Reduction:

• Congressional Reduction	4,000K	(share of \$50M Complex Wide)
• 97 Loan	1,125	(plus \$390K from RL Carryover)
Subtotal	5,125K	

Additional Costs:

• ATSDR (Toxic exposure)	\$4,000K	(TWRS share of \$12M)
• Packaged Boiler Assessment	540	
• RCRA Groundwater Well Monitoring (M-24)	730	(plus \$424K in FY 99)
• Workman Compensation Increases	2,100	
• GFS Accounting Change	730	(\$520K reduction to LM)
• Laundry Assessment	800	
• HQ Audit Tax (DCAA/Young & Associates)	300	
• Transportation and Packaging	170	
• Additional HQ Taxes	TBD	
Subtotal	9,370K	

High Priority Scope:

• Performance Agreements @ 90%	1,800K
• CASS Closure	1,550
• W030/W058	700
• 209E Move	335
• New Computers (Office 98 - 450 new)	1,125
• SHMS Maintenance	500
• Packaged Boiler Analysis	100
• Site System Engineering and ISMS FDH Project Office	350
• Maintenance Implementation Plan per 4330.4B	150
Subtotal	6,610K

TOTAL POTENTIAL IMPACTS

TOTAL POTENTIAL IMPACTS

21,105K



Department of Energy
 Richland Operations Office
 P.O. Box 550
 Richland, Washington 99352

SEP 12 1997

97-WDD-142

Mr. Tom Fitzsimmons, Director
 State of Washington
 Department of Ecology
 P.O. Box 47600
 Olympia, Washington 98504-7600

Dear Mr. Fitzsimmons:

TANK WASTE REMEDIATION SYSTEM (TWRS) PRIVATIZATION ACTION PLAN BI-MONTHLY
 REPORT DATED JUNE - JULY 1997

In accordance with the Hanford Federal Facility Agreement and Consent Order Change Number H-60-95-03, enclosed is a copy of the subject report, which was transmitted to the U.S. Department of Energy, Headquarters. No changes have been made to this report other than to delete procurement and/or business sensitive information.

If you have any questions, please contact me, or your staff may contact William J. Taylor, Director, Waste Disposal Division, on (509) 372-3864.

Sincerely,

John D. Wagoner
 John D. Wagoner
 Manager

WDD:LAH

Enclosure

cc w/enc:

L. D. Arnold, FDH
 M. J. Bullock, BNFL
 S. L. Dahl, Ecology
 J. P. Dickey, LMAES
 J. H. Grantham, Ecology
 M. N. Jaraysi, Ecology
 R. Jim, YIN
 P. K. Kearns, PNNL
 R. F. Stanley, Ecology
 D. R. Sherwood, EPA
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Post-It® Fax Note	7671	Date	10-28	# of pages	1
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